AMENDMENTS TO THE CLAIMS

1(Currently Amended). An isolated ~~KLK-L1,~~ KLK-L2~~, KLK-L3, KLK-14, KLK-15 or KLK-L6~~ nucleic acid molecule of at least 30 nucleotides which hybridizes to SEQ ID NO: ~~1,~~ 13~~, 21, 43, 56, or 65, respectively,~~ or the complement of SEQ ID NO: ~~1,~~ 13~~, 21, 43, 56, or 65~~, under stringent hybridization conditions.

Claims 2-31(CANCELED).

C

32(Currently Amended). The isolated nucleic acid molecule according to claim 1 which comprises:

(i) a nucleic acid sequence encoding a protein having substantial sequence identity with an amino acid sequence of a ~~KLK-L1,~~ KLK-L2~~, KLK-L3, KLK-L4, KLK-L5, or KLK-L6~~ protein ~~as shown in~~ SEQ ID NO: ~~2, 3,~~ 14~~, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67, respectively~~;

(ii) a nucleic acid sequence encoding a protein comprising an amino acid sequence of a ~~KLK-L1,~~ KLK-L2~~, KLK-L3, KLK-L4, KLK-L5, or KLK-L6~~ protein ~~as shown in~~ SEQ ID NO: ~~2, 3,~~ 14~~, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67, respectively~~;

(iii) nucleic acid sequences complementary to (i);

(iv) a degenerate form of a nucleic acid sequence of (i);

(v) a nucleic acid sequence capable of hybridizing under stringent conditions to a nucleic acid sequence in (i), (ii) or (iii);

(vi) a nucleic acid sequence encoding a truncation, an analog, an allelic or species variation of a protein comprising an amino acid sequence of a ~~KLK-L1,~~ KLK-L2~~, KLK-L3, KLK-L4, KLK-L5, or KLK-L6~~ protein as shown in SEQ ID NO: ~~2, 3,~~ 14~~, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67, respectively~~; or

(vii) a fragment, or allelic or species variation of (i), (ii) or (iii).

33(Currently Amended). The isolated nucleic acid molecule according to claim 1 which comprises:

(i) a nucleic acid sequence comprising the sequence of SEQ ID NO: ~~1,~~ 13~~, 21, 43, 56, or 65~~ wherein T can also be U;

(ii) nucleic acid sequences complementary to (i), preferably complementary to the full nucleic acid sequence of SEQ ID NO: ~~1,~~ 13~~, 21, 43, 56, or 65~~;

(iii) a nucleic acid capable of hybridizing under stringent conditions to a nucleic acid of (i) or (ii) and preferably having at least 18 nucleotides; or

(iv) a nucleic acid molecule differing from any of the nucleic acids of (i) to (iii) in codon sequences due to the degeneracy of the genetic code.

Claim 34 (CANCELED).

35(Previously Added). A vector comprising a nucleic acid molecule of claim 32.

36(Previously Added). A host cell comprising a nucleic acid molecule of claim 32.

37(Currently Amended). A method for preparing a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO: ~~2, 3,~~ 14~~, 22, 23, 44, 45, 57, 58, 59, 60, 66, and 67~~ comprising:

(a) transferring a vector of claim 35 into a host cell;

(b) selecting transformed host cells from untransformed host cells;

(c) culturing a selected transformed host cell under conditions which allow expression of the protein; and

(d) isolating the protein.

Claim 38 (CANCELED).

39(Currently Amended). A probe comprising a sequence encoding a protein of claim ~~8~~ 32 or a part thereof.

Claims 40-43 (CANCELED).

44(Currently Amended). A composition comprising a compound selected from the group consisting of:

(a) a nucleic acid molecule of claim 1;

(b) a protein encoded by (a) ~~of claim 8~~; or

(~~b~~c) a substance or ~~compround~~ compound identified by the method of ~~one of claims~~ claim 37 ~~41 or 42~~,

said composition further comprising a pharmaceutically acceptable carrier, excipient or diluent.

C' cancel

Claim 45 (CANCELED).

Sub D8

46(New). The isolated nucleic acid sequence comprising the nucleic acid sequence of Fig. 7 that encodes KLK-L2 protein SEQ ID NO: 14.